BRUHAT BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

Name of Work :-Improvements & Asphalting to 1st Main Road & 1st'A'Main road &10th cross of Soundarya layout in Bagalagunte ward no.14

Sl. No	Description of Item	Unit	Est. Cost Rs				30.00	Lakhs	
			No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-47. Scarifying kankar / gravel / metal crust upto 150mm thick with pick axes and disposal of stuff within a lead of 100 meters including cost of all labour charges Complete as per specifications. MORTH Chapter 3. **Page No. 156/ Item No. 19.53/ PWD SR 2012-13**	Sqm			Avg		?		
	1st Main road Soundarya layout (Widening portion)		2	200	2.50		1000.0		
	1st 'A' Main road		1	73	6.00		438.0		
	10th Cross & Cross roads		2	25	5.00		250.0		
	Siddeshwara layout Cross Roads		3	45	5.00		675.0		
			3	40	5.00		600.0		
			2	80	6.00		960.0		
			3	60	5.00		900.0		
	Basic Rate	16.60					**4823.0**	**17.93**	**86476.00**
	Area Weightage 8%	1.33							
	Total	**17.93**							
2	KSRRB 300-3. Earthwork excavation and forming in embankment by manual means in **hard soil** with initial lead upto 15 m. and lift of 1.5m. (when earth is taken from bank cutting or from borrow pits) including breaking of clods, spreading to required line and level, forming, and cost of all labour complete as per specifications. (Excluding watering and compaction of earth) MORTH Chapter 3.**Page No. 150/ Item No. 19.4/ PWD SR 2012-13**	Cum							
	1st Main road Soundarya layout (Widening portion)		2	200	2.50	0.35	350.00		
	1st 'A' Main road		1	73	6.00	0.35	153.30		
	10th Cross & Cross roads		2	25	5.00	0.35	87.50		
	Siddeshwara layout Cross Roads		3	45	5.00	0.35	236.25		
			3	40	5.00	0.35	210.00		
			2	80	6.00	0.35	336.00		
			3	60	5.00	0.35	315.00		
	Basic Rate	104.00					**1688.05**	112.32	**189602.00**
	Area Weightage 8%	8.32							
	Total	**112.32**							

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	RB M400-17: Providing, laying, spreading compacting graded stone aggregate to **enix macadam** Specifications including ing the material with water at OMC in chanical mix plant carriage of mixed method tipper to site, laying in uniform layers with ver in sub-base/base course on well epared surface and compacting with bratory roller to achieve the desired density omplete as per Specifications.MORTH pecification No. 406 **Page No. 167/ Item No. 20.18/ PWD SR 2012-13**	**Cum**							
	1st Main road Soundarya layout (Widening portion)		2	200	2.50	0.20	200.00		
	1st 'A' Main road		1	73	6.00	0.20	87.60		
	10th Cross & Cross roads		2	25	5.00	0.20	50.00		
	Siddeshwara layout Cross Roads		3	45	5.00	0.20	135.00		
			3	40	5.00	0.20	120.00		
			2	80	6.00	0.20	192.00		
			3	60	5.00	0.20	180.00		
	Basic Rate	981.00					**964.60**	**1059.48**	**1021974.00**
	Area Weightage 8%	78.48							
	Total	**1059.48**							
4	KSRRB 500-6: Providing and applying primer coat with bitumen emulsion on prepared surface of granular Base including clearing of road surface and spraying primer at the rate of 0.60 kg/sqm using mechanical means complete as per specifications. MORTH specification No. 502 **Page No. 172/ Item No. 21.6/ PWD SR 2012-13**	**Sqm**							
	1st Main road Soundarya layout		2	200	2.50		1000.00		
	1st 'A' Main road		1	80	6.00		480.00		
	10th Cross & Cross roads		2	40	5.00		400.00		
	Siddeshwara layout Cross Roads		3	45	5.00		675.00		
			3	40	5.00		600.00		
			2	80	6.00		960.00		
			3	60	5.00		900.00		
	Basic Rate	36.70					**5015.00**	**39.64**	**198795.00**
	Area Weightage 8%	2.94							
	Total	**39.64**							

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	KRB M500-17: Providing and laying semi se bituminous concrete 25mm thick with ne:0 TPH batch type HMP producing an er e output of 75 tonnes per hour using ushed aggregates of specified grading, remixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH Specification clause No. 500.8 complete in all respects as per specifications. With 80/100 grade bitumen using 40-60 HMP using Mechanical paver **Page No. 151/ Item No. 21.20.5/ PWD SR 2012-13**	**Cum**							
	1st Main road Soundarya layout		2	200	2.50	**0.025**	25.00		
	1st 'A' Main road		1	80	6.00	**0.025**	12.00		
	10th Cross & Cross roads		2	40	5.00	**0.025**	10.00		
	Siddeshwara layout Cross Roads		3	45	5.00	**0.025**	16.88		
			3	40	5.00	**0.025**	15.00		
			2	80	6.00	**0.025**	24.00		
			3	60	5.00	**0.025**	22.50		
	Basic Rate	8326.00					**125.38**	**8992.08**	**1127382.00**
	Area Weightage 8%	666.08							
	Total	**8992.08**							
6	KSRRB 300-2: Earthwork excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH Chapter 3. in hard soil **Page No. 150/ Item No. 19.2/ PWD SR 2012-13**	Cum							
	Cross roads		2	6.00	1.50	1.00	18.00		
	Drain		1	20.00	1.20	1.00	24.00		
							42.00	81.00	**3402.00**
	Basic Rate	75.00							
	Area Weightage 8%	6.00							
	Total	**81.00**							
7	KSRRB M2900-1: Plain cement concrete 1:3:6 mix with crushed stone aggregates 40m nominal size mechanically mixed, placed in foundation and compacted by vibration including curing for 14days complete as per specifications. MORTH Specification No. 408 **Page No. 259/ Item No. 34.1/ PWD SR 2012-13**	Cum							
	Cross roads		2	6.00	1.50	0.15	2.70		
			1	20.00	1.20	0.15	3.60		
							6.30	3654.72	**23025.00**
	Basic Rate	3384.00							
	Area Weightage @ 8%	270.72							
	Total	**3654.72**							

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	viding and laying cement concrete using hm and down size granite jelly of ready ne concrete (RMC) for R.C.C works laid in cr thick layers and well compacted brating curing and necessary steel or ply wood or plank centering and form work etc., ncluding smooth finish in CM 1:3,with all lead and lift etc., complete. (exclusive of cost of steel and fabrication charges) Ready mixed cement concrete for beams, columns, staircase and roof with M-20(Cement-320 kg/cum) **Page No. 19/ Item No. 4.49.1/ PWD SR 2012-13**	Cum								
	Cross roads									
	Bottom Slab		2	6.00	1.50	0.15	2.70		
	Side Wall		2x2	6.00	0.25	1.00	6.00		
	Slab		2	6.00	3.00	0.23	8.28		
	Drain bottom		1	20.00	1.20	0.15	3.60		
	Side Wall		1x2	20.00	0.15	0.85	5.10		
							25.68	5535.32	**142147.00**
	Basic Rate	5222.00							
	Area Weightage @ 6%	313.32							
	Total	**5535.32**							
9	KSRB 4.9.2: providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **Page No. 19/ Item No. 4.46/ PWD SR 2012-13**	q			kg/Cum				
	45 kg/Cum		**20.58**		70.00		1440.60		
			8.70		60.00		522.00		
							1962.60		
							19.63	7187.86	**141069.00**
	Basic Rate	6781.00							
	Area Weightage @ 6%	406.86							
	Total	**7187.86**							
10	KSRB 4-6.5: Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 **Page No. 17/ Item No. 4.32/ PWD SR 2012-13**	Sqm							
	Sides		2x4	6.00		0.90	43.20		
	Slab		2	6.00		0.90	10.80		
	Sides		2x2	20.00		0.90	144.00		
							198.00	298.92	**59186.00**
	Basic Rate	282.00							
	Area Weightage 6%	16.92							
	Total	**298.92**							

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	osal of debris to the final place of disposal all lead and lift and as direction by the neer in charge of the work, lead 15 Km a) asi ate for haulage of materials as per item o. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 onne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading **Page No. 148 Item No. 17.1 PWD SR 2012-13**	Cum							
				Qty. Vide Item No. 1			**42.00**		
	4kms Basic Rate	10.24		Qty Limited to			42.00	78.24	**3286.00**
	Loading and Unloading Charges	62.20							
		72.44							
	Area Weightage @ 8%	5.80							
	Total	**78.24**							
									3656.00
12	Miscellaneous and UnforessenCharges							**Total**	**3000000.00**

(Rupees Thirty Lakhs Only)

CERTIFICATE:-

1 The Work spot has been inspected and the work is found to be necessary
2 The Estimate is prepared as per the PW,P & IWTD -SR-2012-13
3 The Provision made in estimate are adequate and essential.
4 This area comes under BBMP limits.

Assistant Engineer
Ward-14

Project Engineer (Civil)
K.R.I.D.L. B.B.M.P, Bangalore

Assistant Executive Engineer
T. Dasarahalli Sub-Division
B.B.M.P

Executive Engineer
Dasarahalli Division
B.B.M.P. Bangalore.

A/S

ನಂ. JC(DH) AS 739/12-13 ದಿನಾಂಕ : 28/02/13
ರೂ. 30.00 lakhs (Rupees Thirty lakhs only)
Page No. 135
Sl. No. 739

ನಂ. 93/12-13 ದಿನಾಂಕ : 4/03/2013
ರೂ. 30.00 ಲಕ್ಷಗಳಲ್ಲಿ (ಮೂವತ್ತು ಲಕ್ಷಗಳಿಗೆ ಮಾತ್ರ)

CANCELLED

Chief Engineer
Dasarahalli Zone
B.B.M.P

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